

Grade 3 Choice Board – Number Sense

Place Value Yahtzee

Place Value Yahtzee Score Card	
Category	8-digit number
Number with 8 in the hundreds place	
Number with 5 in the ones place	
Number with 2 in the tens place	
Number whose tens and hundreds digits add up to 6	
Number whose hundred and ones digits add up to 9	
Number whose digits add up to 11	
Number with two of the same digits	
Number with three of the same digits	
WILL-DI Any number can be written here.	

Roll a die 3 times (or use number cards) to create a three digit number.

Print your number on your score card that fits the description.

Compare your answers with a partner score card.

You have a total of \$1.45 in coins in your pocket. What are all the possible combinations of coins you could have?

Mash Up Math



For more puzzles try:

<https://mashupmath.com/blog/math-logic-puzzles-for-kids>

Here is a short sequence of numbers. Can you figure out the rule and fill in the next three blanks?

2, 3, 5, 7, __, __, __

Remember, what's important is not which numbers you pick, but rather *how you explain your answer.*

Strike Out

Draw a number line from 0-20

Player 1 chooses 2 numbers on the line that they want to find the sum or the difference of. They cross out the two numbers, find the sum or difference and circle the answer. Record the equation. Player 2 will begin with the circled number and choose another number not crossed out yet to either add or find the difference from and circle their answer. Players continue to take turns beginning where the previous player finished and using only numbers that have not been crossed off yet. The winner of the game is the player who stops their opponent from making a move.

Below is an example of three moves that were made on a number line and their recording.

4+3=7 7-1=6 6+12=18

Flip Three

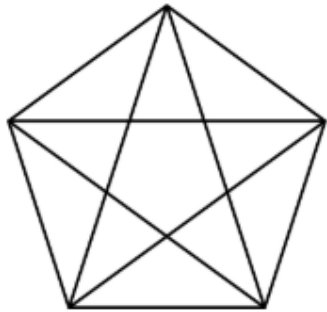
Using a deck of cards with face cards removed set all of the cards in rows face down.

Players take turns to flip over three cards and attempt to make an equation using the three cards. The equation can be an addition, subtraction, multiplication or division, e.g. 3+3=6, 8-5=3, 2x1=2, 10÷2=5.

If the player can make an equation they keep the cards. If they can't make an equation the cards are flipped back over in the same place.

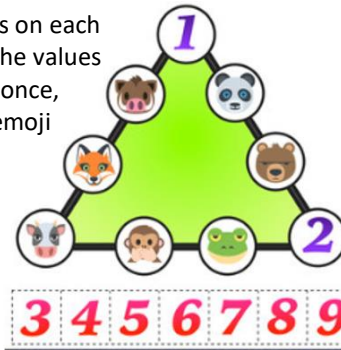
Continue playing until only 7 cards remain. The winner is the player who has the most cards.

How many triangles can you find?



Math Challenge

The sum of the four values on each side is 17. Using each of the values beneath the triangle only once, assign a number to each emoji to complete the triangle.



Animal Lovers Logic Puzzle

Four kids went to a very unusual pet store. Each child picked out a different animal to take home. Can you match the child with his or her new friend?

	Unicorn	Sea Serpent	Manatee	Dragon
Dan				
Sarah				
Melody				
Uli				

1. No child has a pet that starts with the same letter as his or her name.
2. Dan doesn't have a pet that lives in the water.
3. Melody is allergic to smoke.
4. Sarah loves to fly.